

APPLICANT: Thomas D. Sullivan
TITLE OF INVENTION: PLANT UBIQUITIN PROMOTER SYSTEM
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jeff Lloyd
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606

COMPUTER READABLE FORM:
MEDIA TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,092
FILING DATE: 5-JUNE-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lloyd, Jeff
REGISTRATION NUMBER: 35,589
REFERENCE/DOCKET NUMBER: 08/462,092
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 3840 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1993..3591
-08/462-092-1

Query	Match	Score	DB	Length
Query	Match	9.4%	32.2	3
Best Local Matches	Similarity	47.7%	Pred. No.	0.15
94	Conservative	0	Mismatches	103
			Indels	0
			Gaps	
59	ggaaaatccgttaatgtcaacacggatgacaccatcgggacttggaaactg	118		
3160	GGCAAGACCATCACCTGGAGCTGGAGAGCTGACACCATTCACAAATGCAAGCCAG	3219		
119	atccggccaaactggcactctggataatccatcggtttaaaatgtggatcaggatt	178		
3220	ATCCGAGACAGGGGGCATCCCCAGGCCAGGGCTGATCTTGGGGCAAGCG	3279		
179	ttaaggaccatgtatctggaggattatggaaatccacatggatggaggctt	238		
3280	CTGGAGGATGGCGCACTCTGGGGACTACACATCCAGAAGGAGGACCCCTCACCTT	3339		
239	tattacatgtaggagg	255		
3240	CTGGGGCCCTGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	3356		

3
5-08-746-822-1
Sequence 1, Application US/08746822
Patent No. 6020190
GENERAL INFORMATION:
APPLICANT: Peter H. Quail
APPLICANT: Alan H. Christensen
APPLICANT: Howard P. Hershey
APPLICANT: Robert A. Sharrock
APPLICANT: Thomas D. Sullivan
TITLE OF INVENTION: PLANT UBIQUITIN PROMOTER SYSTEM
NUMBER OF SEQNCEINES: 2

RESULT 4
US-09-094-350-1
; Sequence 1, Application US/09094350
; Patent No. 6054574
; GENERAL INFORMATION:
; APPLICANT: Peter H. Quagli
; APPLICANT: Alan C. Christensen
; APPLICANT: Howard P. Hershey
; APPLICANT: Robert A. Sharrock
; APPLICANT: Thomas D. Sullivan
; TITLE OF INVENTION: PLANT UBIQU
; NUMBER OF SPECIMENS: 2

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Jeff Lloyd
 STREET: 2421 N.W. 41st Street, Suite A-1
 CITY: Gainesville
 STATE: FL
 COUNTRY: USA
 ZIP: 32606
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/094,350
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA: 08/746,822
 FILING DATE: 08/08/462,092
 APPLICATION NUMBER: US/08-1995
 FILING DATE: 5-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Lloyd, Jeff
 REGISTRATION NUMBER: 35,589
 REFERENCE/DOCKET NUMBER: 08/462,092
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 904-372-5800
 TELEFAX: 904-375-8100
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3840 base pairs
 TYPE: nucleic acid
 SPANDENESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1993..3591
 US-09-094-350-1

Query Match 9.4%; Score 32.2; DB 3; Length 3840;
 Best Local Similarity 47.7%; Pred. No. 0.15; Indels 0; Gaps 0;
 Matches 94; Conservative 0; Mismatches 103; Indels 0; Gaps 0;

Query 59 ggaaggaaatcccgcttaatgtggcaacccatgcggacttggaaactg 118
 Db 3160 ggcaaggaccatccatggggatggatgtggaaactgtggaaactg 3219
 Query 119 ataggcccaactggacttggaaatggatgtttaaaatggatgttt 178
 Db 3220 atccggacaaggccatccggccggatgtttggggcaatgg 3279
 Query 179 tttaggaccatgtatccctggggatattccatgtggatgtggatgttt 238
 Db 3280 CTGAGGATGGCCGACATCTGGAGGTGAGGTCACATTGACAATGAAAGCCANG 3339
 Query 239 tattaccaggatgggg 255
 Db 3340 GTTCTCGCCTCAGGG 3356

RESULT 5
 5510474-1

PATENT NO. 5510474
 APPLICATION NUMBER: 03-FEB-1994
 FILING DATE: 11-JUN-1993
 NUMBER OF SEQUENCES: 12
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/296,268
 FILING DATE: 25-AUG-1994

PATENT NO. 5639870
 APPLICATION NUMBER: 08/313075A
 FILING DATE: 27-MAR-1992
 NUMBER OF SEQUENCES: 58
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/313,075A
 FILING DATE: 30-NOV-1994
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: AU PL 1538/92
 FILING DATE: 07-JAN-1993
 NUMBER OF SEQUENCES: 12
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/313,075A
 FILING DATE: 25-MAR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: D'Agilio, Frank S.

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: March 3, 2002, 14:53:43 ; Search time 61.46 Seconds
(without alignments)
26.729 Million cell updates/sec

Title: US-09-331-930A-2
Perfect score: 394
Sequence: 1 MIEVVCDRLGKKVVKCNT HVSILGDYEIHGMNLLELYQ 73

Scoring table: BL0SUMM2
Gapop 10.0 , Gapext 0.5
Searched: 212252 seqs , 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*

1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/peptides_COMB.pep:*

6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB ID	Description	Score	Length	DB 3	Score	Length	DB 4
1	60	15.2	494	3	US-08-889-941B-19	Sequence 19, APP1	2	15.28	29.93	Score 60; DB 3; Mismatches 12; Ped. No. 5/3; Indels 16; Gaps 4;		
2	59	15.0	455	3	US-08-889-941B-46	Sequence 46, APP1	Qy	2 LEVVC----NDRLGKVV--RVKCNTDDTIGDLKLUJAQTGTRWNKIV----LKKW 47				
3	59	15.0	850	2	US-08-48-603A-28	Sequence 28, APP1	Db	259 VEINCIRPNNNTRKGTHIGPGRWATYGEIVDIRKAYCNISRTKWNNTLQJANKLKREK 318				
4	58.5	14.8	859	3	US-09-134-075-28	Sequence 28, APP1	Qy	48 Y-TIKFDHVSLGDDYEI 62				
5	58.5	14.8	498	3	US-08-889-841B-2	Sequence 2, APP1	Db	319 YNTTISFNRSGGDPEI 335				
6	58.5	14.8	498	3	US-08-889-841B-5	Sequence 5, APP1	Result	2	US-08-889-941B-46			
7	58	14.7	483	3	US-08-889-841B-31	Sequence 33, APP1			Sequence 46, APPLICATION US/08889841B			
8	57.5	14.6	487	3	US-08-889-841B-33	Sequence 33, APP1			GENERAL INFORMATION			
9	57.5	14.6	855	1	US-08-02-835-6	Sequence 6, APP1			APPLICANT: Berman, Phillip W.			
10	57.5	14.6	855	1	US-08-388-809-6	Sequence 6, APP1			FILE REFERENCE: 14918-703CIP			
11	57.5	14.6	855	2	US-08-647-714-6	Sequence 2, APP1			CURRENT APPLICATION NUMBER: US/08/889, 841B			
12	56.5	14.3	222	1	US-08-40-496A-2	Sequence 6, APP1			CURRENT FILING DATE: 1997-07-08			
13	56.5	14.3	507	2	US-08-037-816A-16	Sequence 28, APP1			PRIOR APPLICATION NUMBER: US/08/676, 737			
14	56.5	14.3	507	2	US-08-037-816A-28	Sequence 16, APP1			PRIOR FILING DATE: 1996-07-08			
15	56.5	14.3	507	2	US-08-530-146-16	Sequence 28, APP1			NUMBER OF SEQ ID NOS: 57			
16	56.5	14.3	507	2	US-08-392-806A-6	Sequence 6, APP1			SOFTWARE: FastSEQ for Windows Version 3.0			
17	56.5	14.3	606	4	US-09-257-490-6	Sequence 6, APP1			SEQ ID NO 46			
18	56.5	14.3	270	4	US-08-878-747-1	Sequence 1, APP1			LENGTH: 455			
19	56	14.2	469	3	US-08-889-841B-23	Sequence 23, APP1			TYPE: PRT			
20	56	14.2	665	2	US-08-48-603A-32	Sequence 32, APP1			ORGANISM: HIV			
21	55.5	14.1	665	3	US-09-134-075-32	Sequence 32, APP1						
22	55.5	14.1	821	4	US-09-422-869-24	Sequence 24, APP1						
23	55	14.0	821	4	US-08-889-841B-36	Sequence 36, APP1						
24	54	13.7	474	3	US-08-889-841B-39	Sequence 39, APP1						
25	54	13.6	136	4	US-08-945-983-4	Sequence 4, APP1						
26	53.5	13.6	658	1	US-08-409-995-5	Sequence 5, APP1						

US-08-889-841B-6

Query Match 15.0%; Score 59; DB 3; Length 455;
 Best Local Similarity 23.2%; Pred. No. 6,5; 3;
 Matches 19; Conservative 14; Mismatches 21; Indels 28; Gaps 3;

Qy 9 RLGKVKVKCN-----TDDTIGDLKLKLLAAQTGTRNKIV---- 43
 Db 245 QLNESVINCPRNNTRRSIHGPGRAYTEIIGDIRQAHCNLSSTKWNNTLQIVT 304

Qy 44 -LKKWY-TIKDHYSLGDEI 62
 Db 305 KLREHFNKTVENHSSGGDPEI 326

RESULT 3

US-08-448-603A-28
 ; Sequence 28, Application US/08448603A
 ; Patent No. 5864027
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV Envelope Polypeptides
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: McCutchen, Doyle, Brown & Emersen, LLP
 ; STREET: 3 Embarcadero Center
 ; CITY: San Francisco
 ; STATE: CA
 ; ZIP: 94111
 ; COUNTRY: USA
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/134,075
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/448,603
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Holiday, Emily
 ; REGISTRATION NUMBER: 38903
 ; REFERENCE/DOCKET NUMBER: 14918-704
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-393-2000
 ; TELEFAX: 415-393-2286
 ; INFORMATION FOR SEQ ID NO: 28:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 850 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 US-09-134-075-28

NAME: Holiday, Emily
 REGISTRATION NUMBER: 38903
 REFERENCE/DOCKET NUMBER: 14918-704
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-393-2000
 TELEFAX: 415-393-2286
 TELEX:
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 850 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-448-603A-28

RESULT 4

US-09-134-075-28
 ; Sequence 28, Application US/09134075
 ; Patent No. 6042836
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV Envelope Polypeptides
 ; NUMBER OF SEQUENCES: 33
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: McCutchen, Doyle, Brown & Emersen, LLP
 ; STREET: 3 Embarcadero Center
 ; CITY: San Francisco
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94111
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/134,075
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/448,603
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Holiday, Emily
 ; REGISTRATION NUMBER: 38903
 ; REFERENCE/DOCKET NUMBER: 14918-704
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-393-2000
 ; TELEFAX: 415-393-2286
 ; INFORMATION FOR SEQ ID NO: 28:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 850 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 US-09-134-075-28

Query Match 15.0%; Score 59; DB 2; Length 850;
 Best Local Similarity 23.2%; Pred. No. 15; 3;
 Matches 19; Conservative 14; Mismatches 21; Indels 28; Gaps 3;

Qy 9 RLGKVKVKCN-----TDDTIGDLKLKLLAAQTGTRNKIV---- 43
 Db 285 QLNESVINCPRNNTRRSIHGPGRAYTEIIGDIRQAHCNLSSTKWNNTLQIVT 344

Qy 44 -LKKWY-TIKDHYSLGDEI 62
 Db 345 KLREHFNKTVENHSSGGDPEI 366

RESULT 5

US-08-889-841B-2
 ; Sequence 2, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703CIP
 ; CURRENT APPLICATION NUMBER: US/08/889,841B
 ; CURRENT FILING DATE: 1997-07-08
 ; PRIOR APPLICATION NUMBER: US 60/676,737
 ; PRIORITY FILING DATE: 1996-07-08
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO: 2

LENGTH: 498
 TYPE: PRT
 ORGANISM: HIV
 US-08-889-841B-2

Query Match 6
 Best Local Similarity 36.5%; Score 58.5%; DB 3; Length 498;
 Matches 19; Conservative 7; Mismatches 17; Indels 9; Gaps 2;
 SEQ ID NO 5

RESULT 6
 US-08-889-841B-5
 ; Sequence 5, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703C1P
 ; CURRENT APPLICATION NUMBER: US-08/889,841B
 ; PRIORITY FILING DATE: 1997-07-08
 ; PRIORITY APPLICATION NUMBER: US 60/676,737
 ; PRIORITY FILING DATE: 1996-07-08
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; LENGTH: 498
 ; TYPE: PRT
 ; ORGANISM: HIV
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: (1)...(498)
 ; OTHER INFORMATION: xaa = Any Amino Acid
 US-08-889-841B-5

Query Match 6
 Best Local Similarity 36.5%; Score 58.5%; DB 3; Length 498;
 Matches 19; Conservative 7; Mismatches 17; Indels 9; Gaps 2;
 SEQ ID NO 5

RESULT 6
 US-08-889-841B-5
 ; Sequence 5, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703C1P
 ; CURRENT APPLICATION NUMBER: US-08/889,841B
 ; PRIORITY FILING DATE: 1997-07-08
 ; PRIORITY APPLICATION NUMBER: US 60/676,737
 ; PRIORITY FILING DATE: 1996-07-08
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; LENGTH: 498
 ; TYPE: PRT
 ; ORGANISM: HIV
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: (1)...(498)
 ; OTHER INFORMATION: xaa = Any Amino Acid
 US-08-889-841B-5

Query Match 7
 Best Local Similarity 34.6%; Score 58.5%; DB 3; Length 498;
 Matches 18; Conservative 8; Mismatches 17; Indels 9; Gaps 2;
 SEQ ID NO 31

RESULT 7
 US-08-889-841B-31
 ; Sequence 31, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703C1P
 ; CURRENT APPLICATION NUMBER: US-08/889,841B
 ; PRIORITY FILING DATE: 1997-07-08
 ; PRIORITY APPLICATION NUMBER: US 60/676,737
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; LENGTH: 483
 ; TYPE: PRT
 ; ORGANISM: HIV
 US-08-889-841B-31

Query Match 7
 Best Local Similarity 27.5%; Score 58%; DB 3; Length 483;
 Matches 22; Conservative 13; Mismatches 25; Indels 20; Gaps 4;
 SEQ ID NO 31

RESULT 7
 US-08-889-841B-31
 ; Sequence 31, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703C1P
 ; CURRENT APPLICATION NUMBER: US-08/889,841B
 ; PRIORITY FILING DATE: 1997-07-08
 ; PRIORITY APPLICATION NUMBER: US 60/676,737
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; LENGTH: 483
 ; TYPE: PRT
 ; ORGANISM: HIV
 US-08-889-841B-31

Query Match 8
 Best Local Similarity 27.5%; Score 58%; DB 3; Length 483;
 Matches 22; Conservative 13; Mismatches 25; Indels 20; Gaps 4;
 SEQ ID NO 33

RESULT 8
 US-08-889-841B-33
 ; Sequence 33, Application US/08889841B
 ; GENERAL INFORMATION:
 ; APPLICANT: Berman, Phillip W.
 ; TITLE OF INVENTION: HIV ENVELOPE POLYPEPTIDES AND VACCINE
 ; FILE REFERENCE: 14918-703C1P
 ; CURRENT APPLICATION NUMBER: US-08/889,841B
 ; CURRENT FILING DATE: 1997-07-08
 ; PRIORITY APPLICATION NUMBER: US 60/676,737
 ; PRIORITY FILING DATE: 1996-07-08
 ; NUMBER OF SEQ ID NOS: 57
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 33
 ; LENGTH: 487
 ; TYPE: PRT
 ; ORGANISM: HIV
 US-08-889-841B-33

Query Match 9
 Best Local Similarity 27.5%; Score 58%; DB 3; Length 487;
 Matches 22; Conservative 13; Mismatches 25; Indels 20; Gaps 4;
 SEQ ID NO 33

RESULT 9
 US-08-022-835-6
 ; Sequence 6, Application US/08022835
 ; Patent No. 5420030
 ; GENERAL INFORMATION:
 ; APPLICANT: Reitz Jr., Marvin S.
 ; APPLICANT: Franchini, Genovefa
 ; APPLICANT: Markham, Phillip D.
 ; APPLICANT: Gallo, Robert C.
 ; APPLICANT: Lori, Franco C.
 ; APPLICANT: Popovic, Mikulas
 ; APPLICANT: Garner, Suzanne
 ; TITLE OF INVENTION: MOLECULAR CLONES OF HIV-1 AND USES
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
 ; STREET: Eleventh Floor, 1615 L. Street, N.W.
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: USA
 ; ZIP: 20036-5601
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/022,835
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 07/599,491.
 FILING DATE: 17-OCT-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Scott, Watson T.
 REGISTRATION NUMBER: 26,581
 REFERENCE/DOCKET NUMBER: WTS/5683/78507/SRL
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 861-3000
 TELEFAX: (202) 822-0944
 TELEX: 6714627 CUSH
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 855 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-022-835-6

Query Match Score 57.5; DB 1; Length 855;
 Best Local Similarity 29.5%; Pred. No. 23; Indels 4;
 Matches 23; Conservative 11; Mismatches 4;
 RESULT 11
 US-08-647-714-6
 Sequence 6, Application US/08647714
 Patent No. 5869313
 GENERAL INFORMATION:
 APPLICANT: RETZ, JR., MARVIN S.; FRANCHINI,
 GENOVEFFA, MARKHAM, PHILIP D. GALLO, ROBERT
 C.; LORI, FRANCO C.; POPOVIC, MIKULAS; AND
 GARTNER, SUZANNE
 TITLE OF INVENTION: MOLECULAR CLONES OF HIV-1
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORGAN & FINNEGAN
 STREET: 345 PARK AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/647,714
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 25-FEB-1993
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 17-OCT-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: LESLIE A. SERUNIAN
 REGISTRATION NUMBER: 35,353
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 758-4800
 TELEFAX: (212) 751-6849
 INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
 LENGTH: 855 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-022-809-6

Query Match Score 57.5; DB 1; Length 855;
 Best Local Similarity 29.5%; Pred. No. 23; Indels 17; Gaps 4;
 Matches 23; Conservative 11; Mismatches 11;
 RESULT 11
 US-08-647-714-6
 Sequence 6, Application US/08647714
 Patent No. 5869313
 GENERAL INFORMATION:
 APPLICANT: RETZ, JR., MARVIN S.; FRANCHINI,
 GENOVEFFA, MARKHAM, PHILIP D. GALLO, ROBERT
 C.; LORI, FRANCO C.; POPOVIC, MIKULAS; AND
 GARTNER, SUZANNE
 TITLE OF INVENTION: MOLECULAR CLONES OF HIV-1
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORGAN & FINNEGAN
 STREET: 345 PARK AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/647,714
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 25-FEB-1993
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 17-OCT-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: LESLIE A. SERUNIAN
 REGISTRATION NUMBER: 35,353
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 758-4800
 TELEFAX: (212) 751-6849
 INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:
 LENGTH: 855 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-022-809-6

Query Match Score 57.5; DB 2; Length 855;
 Best Local Similarity 29.5%; Pred. No. 23; Indels 17; Gaps 4;
 Matches 23; Conservative 11; Mismatches 11;
 RESULT 11
 US-08-647-714-6
 Sequence 6, Application US/08647714
 Patent No. 5869313
 GENERAL INFORMATION:
 APPLICANT: RETZ, JR., MARVIN S.; FRANCHINI,
 GENOVEFFA, MARKHAM, PHILIP D. GALLO, ROBERT
 C.; LORI, FRANCO C.; POPOVIC, MIKULAS; AND
 GARTNER, SUZANNE
 TITLE OF INVENTION: MOLECULAR CLONES OF HIV-1
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORGAN & FINNEGAN
 STREET: 345 PARK AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10154
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/647,714
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK, 3.5"
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/388,809
 FILING DATE: 15-FEB-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 25-FEB-1993
 APPLICATION NUMBER: US 08/022,835
 FILING DATE: 17-OCT-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: LESLIE A. SERUNIAN
 REGISTRATION NUMBER: 35,353
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 758-4800
 TELEFAX: (212) 751-6849
 INFORMATION FOR SEQ ID NO: 6:

IP: 10112
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.24
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/037,816A
 FILING DATE: 26-MAR-1993
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REFERENCE/DOCKET NUMBER: 28,678
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 977-9550
 TELEFAX: (212) 664-0525
 TELEX: 422523 COOPUI
 INFORMATION FOR SEQ ID NO: 28:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 507 amino acids
 TYPE: amino acid
 TOPOLGY: linear
 MOLECULE TYPE: protein
 US-08-037-816A-28

Query Match Score 14.3%; Score 56.5%; DB 2; Length 507;
 Best Local Similarity 28.2%; Pred. No. 16;
 Matches 22; Conservative 14; Mismatches 25; Indels 17; Gaps 4;

QY 2 IEVVC---NDRLGKVV----RVKCNTDDTIGDLKKLIAAQTGTRWN---KIVLK---- 45
 Db 295 VEINCTRPNNTRKSHIGPGRAYTGTGDIQAHCNISRAKWNDTLKQIVIKLREQ 354

QY 46 -KWTTFKDHVSLGDEI 62
 Db 355 FENKTVFNHSSGGDPEI 372

Query Match Score 14.3%; Score 56.5%; DB 2; Length 507;
 Best Local Similarity 28.2%; Pred. No. 16;
 Matches 22; Conservative 14; Mismatches 25; Indels 17; Gaps 4;

QY 2 IEVVC---NDRLGKVV----RVKCNTDDTIGDLKKLIAAQTGTRWN---KIVLK---- 45
 Db 295 VEINCTRPNNTRKSHIGPGRAYTGTGDIQAHCNISRAKWNDTLKQIVIKLREQ 354

QY 46 -KWTTFKDHVSLGDEI 62
 Db 355 FENKTVFNHSSGGDPEI 372

RESULT 15
 US-08-530-146-16
 Sequence 16, Application US/08530146
 Patent No. 5886163
 GENERAL INFORMATION:
 APPLICANT: Haseel, Karl W.
 ATTORNEY: Maddon, Paul J.
 TITLE OF INVENTION: HIV-1 VACCINES, ANTIBODY COMPOSITIONS RELATED
 TITLE OF INVENTION: THERETO, AND THERAPEUTIC AND PROPHYLACTIC USES
 NUMBER OF SEQUENCES: 29
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Cooper & Dunham
 STREET: 30 Rockefeller Plaza
 CITY: New York
 STATE: New York
 COUNTRY: USA
 ZIP: 10112
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.24
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/530,146
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/037,816
 FILING DATE: 26-MAR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: White, John P.
 REGISTRATION NUMBER: 28,678